

FEDENKO, A. S.

SUBJECT USSR/MATHEMATICS/Topology CARD 1/1 PG - 391
 AUTHOR FEDENKO, A. S.
 TITLE Symmetric spaces with simple non-compact fundamental groups.
 PERIODICAL Doklady Akad. Nauk 108, 1026-1028 (1956)
 reviewed 11/1956

The present paper contains the comprehension of the results of the author's thesis (Moscow 1955). The investigation bases on the following theorem due to Karpelevič (Trudy Moskovsk mat. Obšč. 4, (1955)): Every involutory automorphism of a simple non-compact group G transforms into itself a certain maximal compact subgroup K of G . This theorem is used by the author in order to reduce the finding out of the involutory automorphisms of a simple non-compact group to the finding out of the involutory automorphisms of a compact group. This last problem can be solved easily by aid of Cartan's results and permits to give a complete classification of corresponding symmetric spaces. Here the classification of Berger (C.R. 240, No.25, 2370 (1955)) is completed. From the classification there results the conclusion: Every symmetric space with a simple fundamental group is an irreducible Riemannian space.

FEDENKO, A.S.

Spaces pertaining to limit. Usp.mat.nauk 12 no.3:235-240 My-Je '57.
(MIRA 10:10)

(Spaces, Generalized)

FEDENKO, A.S. [Vyadzenka, A.S.]

Method of boundary transition in Riemann space theory. Vestsi
AN BSSR. Ser. fiz.-tekhn. nav. no.2:17-25 '58. (MIRA 11:10)
(Spaces, Generalized)

FEDENKO, A.S.; VODNEV, V.T.

Groups of motions of conformal Euclidean symmetrical spaces.
Dokl. AN BSSR 3 no.6:233-236 Je '59. (MIRA 12:10)

1. Predstavleno akademikom AN BSSR V.I. Krylovym.
(Spaces, Generalized)

VODNEV, V.T.; FEDENKO, A.S.

Symmetrical partially projective spaces. Dokl. AN BSSR 8 no.4:213-
216 Ap '64. (MIRA 17:6)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina. Predstavleno
akademikom AN BSSR V.I. Krylovym.

FEDENKO, G.I., inzhener.

Calculations of dynamic stresses on hull plates reinforced
by stiffeners. Sudostroenie 22 no.10:4-8 0 '56. (MLRA 10:2)

(Hulls (Naval architecture)) (Ship resistance)
(Strains and stresses)

FEDENKO, G.I., inzh.

Calculating vibration in inclined shell platings considering
the effect of their curvature and the stiffness of the framework.
Sudostroenie 23 no.9:12-16 S '57. (MIRA 10:12)
(Hulls (Naval architecture)) (Vibration (Marine engineering))

FEDENKO, G.I., kand.tekhn.nauk

Calculating vibration of stepped beams and curved rods,
Sudostroenie 24 no.7:10-13 J1 '58. (MIRA 11:9)
(Girders) (Elastic rods and wires)

FEDENKO, G.I., kand.tekhn.nauk

Effect of camber and yielding in hull frames on the vibration of
hollow shells. Trudy NTU sud.prom. 8 no.4:63-70 '59.

(MIRA 13:5)

(Hulls (Naval architecture)) (Vibration (Marine engineering))

FLD.MKO, G.I., hand.toldm.nauk

Forced vibrations of ships' plates under hydrodynamic pressures
created by the operation of propellers. Sudstroenie 27
no.7:15-17 31 '61. (ISSA 14:11)
(Vibrations (marine engineering))

FEDENKO, I. I.

Putevoditel' Moskva - Gor'kii. [Guide-book Moscow-Gorki]. Moskva, Izd-vo
Ministerstva rechnogo flota Soluza SSR, 1946. 38 p. DLC: Slavic unclass.

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress,
Reference Department, Washington, 1952, Unclassified.

FEDENKO, I. I.

Volga - velikaia russkaia reka. [Volga - the great Russian river]. Moskva, Gos. izd-vo detskoi lit-ry, 1946. 126 p. illus., maps (1 fold) (Nasha rodina).
ICU MdvJ

DLC: DK511LV65F4

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress, Reference Department, Washington, 1952, Unclassified.

FEDENKO, Ivan Ivanovich

[Moscow Canal; a guidebook] Kanal im. Moskvy; putevoditel'.
Moskva, Izd-vo Ministerstva rechnogo flota SSSR, 1948. 167 p.
(Moscow Canal) (MLRA 8:12)

~~FEDENKO~~ I.I.; KUBLITSKIY, G.I., retsenzent; SITNIKOV, G.G., professor,
redaktor; FEDIAYEVA, N.A., redaktor izdatel'stva; BEGICHEVA, M.N.,
tekhnicheskij redaktor.

[Moscow-Ufa-Molotov; a guidebook] Moskva-Ufa-Molotov; marshrutnik.
Moskva, Gos. izd-vo vodnogo transporta, 1954. 117 p. [Microfilm]
(Inland navigation) (MLRA 10:6)

FEDENKO, I. I.

Sitnikov, G. G.

Moscow to Ufa; along the course of five rivers
lit-ry, 1954. 196 p. maps. (55-25201)

Moskva, Gos. izd-vo geogr.

DK28.S55

FEDENKO, IVAN IVANOVICH

527N/5
756.122
.F2

KANAL IMENT MOSKVY MOSCOW CANAL MOSKVA, MOSKOVSKIY RABOCHIY, 1955.

109 P. ILLUS., MAP, TABLE.

FEDENKO, I.I.

On the Volga. Zdorov'e 1 no.8:9 Ag '55

(MLRA 9:5)

(RUSSIA--DESCRIPTION AND TRAVEL)

FEDUKHO, I. I.

Along the Volga. Nauka i shisn' 22 no.9:20-22 8 '55. (MLRA 5:12)
(Volga Valley--Description and travel)

SEMENTOVSKIY, Vladimir Nikolayevich; FEDENKO, Ivan Ivanovich; NEDOSEKIN,
D.V., redaktor; NOGINA, N.I., tekhnicheskiy redaktor

[Moscow-Astrakhan; a guidebook] Moskva-Astrakhan'; putevoditel'.
Moskva, Gos. izd-vo geogr. lit-ry, 1956. 172 p. (MLRA 9:11)
(Moscow Canal) (Volga Valley--Description)

FEDENKO, I.I.; EBERLIN, K.Z., otv. red.; GORCHAKOV, G.N., tekhn. red.

Volga. Moskva, Izd-vo M-va rechnogo flota SSSR, 1947. 271 p.
(MIRA 16:1)

(Volga Valley--History)
(Volga Valley--Description and travel)

FEDENKO, M. V.

PA 18T7

Aug 1947

USSR/Fuel Conservation
Fuels, Solid

"Efficient Thermoelectrical Equipment at Undertakings of Chemical Factories," M. V. Fedenko,
3 pp

"Za Ekonomiyu Topliva" No 8

Soviet chemical industries are the largest users of fuel (coal, etc.) and therefore have to adopt more stringent economy measures. Among measures to be adopted are modernization of boiler equipment, flameless combustion of gas in industrial furnaces, major repairs and remodeling of power equipment.

18T7

Fedenko, M.V.

FEDENKO, M.V., inzh.

Using secondary power resources in enterprises of the chemical
industry. Prom. energ. 12 no.12:10-12 D '57. (MIRA 10:12)
(Electric power)

PEDEENKO, N. A. (Sen Instructor)

Dissertation: -- "Determining the Methods of Descriptive Geometry for Certain Courses of Study at Higher Technical Educational Institutions." Cand Tech Sci, Georgian Polytechnic Inst imeni S. M. Kirov, 29 Jun 54. (Zarya Vostoka, Tbilisi, 18 Jun 54)

SO: Sum 328, 23 Dec. 1954

SOV/124-58-11-12032

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 13 (USSR)

AUTHOR: Fedenko, N. A.

TITLE: Application of the Method of Orthogonal Projections to Thermodynamics (Primeneniye metoda ortogonal'nykh proyeksiy v termodinamike)

PERIODICAL: Tr. Altaysk. s.-kh. in-ta, 1957, Nr 5, pp 258-269

ABSTRACT: Bibliographic entry

Card 1/1

FEDINKO, N.P.

Asymptotic values of the coefficients of Cotes's quadrature formula.
Dokl. AN BSSR 6 no.1:7-8 Ja '62. (MIRA 15:2)

1. Institut matematiki i vychislitel'noy tekhniki AN BSSR.
Predstavleno akademikom AN BSSR V.I.Krylovym.
(Calculus, Integral)

KR'LOV, V.I.; FEDENKO, N.P.

Approximate representation of the integral $\int_0^{\infty} xse^{-x}f(x)dx$ by a mechanical quadrature containing the value $f(0)$.

FEJENKO, N.V., kand. tekhn. nauk

Consecutive usage of waste waters by industrial enterprises.
Vod. i san. tekhn. no.4:16-17 Ap '64 (MIRA 18:1)

FEDENKO, N.V. (Moskva)

What is the price of water? Priroda 55 no.1:119-120 Ja '66.
(MIRA 19:1)

ACC NR: AT7004472

(A)

SOURCE CODE: UR/3245/66/000/002/0044/0046

AUTHORS: Guoyatinskiy, L. I.; Besarabov, Ye. S.; Fodenko, V. S.

ORG: Kiev Institute of Automation (Kiyevskiy institut avtomatiki)

TITLE: A device for regulating automatically the level of remote control signals

SOURCE: Kharkov. Institut gornogo mashinostroyeniya, avtomatiki i vychislitel'noy tekhniki. Pribory i sistemy avtomatiki, no. 2, 1966. Promyshlennaya telemekhanika (Industrial telemechanics), 44-46

TOPIC TAGS: *electric circuit, feedback circuit,* remote control system, automatic regulation, automatic control design, photoresistor, lamp, signal reception/ FS-K1 photoresistor, SM-37 lamp

ABSTRACT: A device has been developed for the automatic regulation of the level (ARL) of remote control signals for systems which use contact leads, such as electric locomotives in mines. A photoresistor is used as the regulating element to give a broader regulation range and a higher regulation rate. In a contact system, the operating attenuation changes as the object being controlled is moved. The photoresistor is included in the common negative feedback circuit encompassing all the amplifier stages. The ARL device consists of: an ARL amplifier which broadens the regulation limits and increases the precision; a detector which separates out the AM oscillations and rectifies this; a filter which determines the regulation rate; a DC amplifier for feeding the filament of an SM-37 incandescent lamp. The regulation

Card 1/2

ACC NR: AT7004472

action is accomplished by comparing the ARL input signal with a delay voltage. When the ARL output signal exceeds the delay voltage, the lamp is turned on. This reduces the photoresistance, increasing the feedback, thereby reducing the amplification. This system is especially effective for multiple loop circuits. The principal advantage of this ARL circuit is its structural simplicity. Regulating the photoresistor by a gas-filled device produces a sharp triggering threshold and eliminates the need for a reference voltage. Such a circuit, using an FS-X1 photoresistor and an SM-37 lamp, gave a regulation limit of 4 nep at a rate of 0.7 nep/sec with precision of 0.5--0.7 nep. Orig. art. has: 2 figures.

SUB CODE: 09/ SUBM DATE: none

Card 2/2

L 3276-66 EWT(d)/ENP(v)/ENP(k)/ENP(h)/ENP(1)

ACCESSION NR: AR50143²

UR/0271/65/000/005/A043/A043
621.398.626

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika. Svodnyy tom, Abs. 5A301

AUTHOR: Abramov, K. K.; Fedenko, V. S.

TITLE: Origins of pulse noise in telesignal lines

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiyev, 1964, 50-54

TOPIC TAGS: pulse noise, inductive interference, supervisory control system 51
B

TRANSLATION: In the lines connecting supervisory-control equipment at a dispatcher's station with a control board and peripheral sensors, noise is possible due to switching operations on the adjacent lines. This noise affects the contactless control equipment. Origination of the pulse noise in short lines is considered. Formulas for currents and voltages in the disturbed circuit are developed. The pulse influence between circuits was experimentally studied on 10-m long TRVKSh'20 x 2 x 0,5 distribution cables. A train of rectangular pulses with a repetition frequency of 24 kc, 15 v, 10 microsec was transmitted

Card 1/2

L 3276-66

ACCESSION NR: AR5014350

over the disturbing circuit. Both theoretical and experimental results show that the noise shape in the disturbed circuit is close to the derivative of the disturbing voltage. The lowest interference was observed between the circuits belonging to different shielded cables.

SUB CODE: EC, IE

ENCL: 00

Card 2/2

L 00076-66 EWT(d)
ACCESSION NR: AR5013608

UR/0271/65/000/004/A022/AG22
621.398.001:621.391.13

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.
Svodnyy tom, Abs. 4A139

AUTHOR: Fedenko, V. S. *34*

TITLE: Industrial communication channels *q, 44*

CITED SOURCE: Sb. Ustroystva i elementy prom. telemekhan. Kiev, 1964, 55-63

TOPIC TAGS: communication channel, communication link

TRANSLATION: Structurally different communication channels can be characterized by the following fundamental parameters: frequency band F , excess of mean signal power over noise level H , and information-transmission time T . The product of the above parameters determines the channel capacity: $V = F H T$ (1). Distortionless signal transmission is determined by these inequalities: $H > H_{sig}$; $T > T_{sig}$ (2). Failure to observe the inequalities (2) brings about signal distortion; however, with certain relations between the transmission speed and the channel width, the distortion does not exceed 1.25 v and 2.5 v for

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L 00076-66

ACCESSION NR: AR5013608

AM and FM, respectively (v is the transmission speed in bauds). If the carrier frequencies are selected according to the formula $f = 300 + 120 n$ (where n is the channel number), the mutual interference will be low. Peculiarities of various channels are considered.

ENCL: 00

SUB CODE: EC

SW
Card 2/2

KONDRAT'YEVA, Ye.N.; PETRCVA, L.N.; FEDENKO, Ye.P.

Utilization of organic compounds by the green bacterium
Chloropseudomonas ethylicum as related to the presence
of carbon dioxide and hydrogen sulfide. Dokl. AN SSSR
154 no.2:453-456 Ja'64. (MIRA 17:2)

1. Moskovskiy gosudarstvennyy universitet im. M.V.
Lomonosova. Predstavleno akademikom V.N. Shaposhnikovym.

L 27405-66 EWI(1) SCIB DD		SOURCE CODE: UR/120/65/034/002/0344/0349	
ACC NR: AP6017704			
AUTHOR: Maksimova, I. V.; Fedenko, Ye. F.			
ORG: Biology-Soil Faculty, Moscow State University im. M. V. Lomonosov (Biologo-pochvennyy fakul'tet Moskovskogo gosudarstvennogo universiteta)			
TITLE: Effect of the redox potential on the development of bacteria in cultures of algae			
SOURCE: AN SSSR. Mikrobiologiya, v. 34, no. 2, 1965, 344-349			
TOPIC TAGS: chlorella, bacteria, plant growth, bacteriology			
<p>ABSTRACT: During the cultivation of <i>Chlorella vulgaris</i> together with the saprophytic bacteria <i>Bacillus cereus</i> and <i>Pseudomonas ovalis</i> isolated from the microflora accompanying the algae, the redox potential rH_2 of the medium tended to increase. When the rH_2 of a combined culture of <i>C. vulgaris</i> and <i>B. cereus</i> increased to 29 from the initial value of 27, the number of <i>B. cereus</i> decreased abruptly. Reduction of the rH_2 to 17-23 by the addition of sodium thioglycolate eliminated the toxic action of the algae on the bacteria; the propagation of the bacteria was then stimulated by the growth of the algae. Similar relations were found in connection with the combined cultivation of <i>C. vulgaris</i> and <i>Ps. ovalis</i>: the propagation of <i>Ps. ovalis</i> was stimulated at rH_2 15-17 and suppressed at rH_2 20-23 in combined cultivation with <i>C. vulgaris</i>. The authors thank Professor I. L. Rabotnova and Professor V. N. Shaposhnikov for their valuable advice during the discussion of the results. Orig. art. has: 3 figures and 1 table. [JPRS]</p>			
SUB CODE: 06 /		SUM DATE: 14Feb64 / ORIG REF: 003	
Card 1/1		UDC: 576.8.095.38	

FEDENKOV, V.I.

Problem of compensatory changes in renal functions following
unilateral nephrectomy. *Biul. eksp. biol. i med.* 48 no. 11:34-37
N '59. (MIRA 13:5)

1. Kurs patologicheskoy fiziologii i laboratornoy diagnostiki
(sav. - dotsent M.G. Kolpakov) Stalinskogo instituta usoverhenst-
vovaniya vrachev (dir. - dotsent G.L. Starkov). Predstavlena
deystvitel'nyy chlenom AMN SSSR V.V. Parinym.
(NEPHRECTOMY eff.)

KOLPAKOV, M.G.; FEDENKOV, V.I.; SHUSHPANNIKOVA, O.V. (Novokuznetsk)

Pathogenesis of the eosinopenic reaction of terminal states.
Report No.1. Probl.endok.i gorm. no.4:19-23 '62. (MIRA 15:11)

1. Iz kursa patofiziologii i laboratornoy diagnostiki (zav. -
dotsent M.G. Kelpakov) Novokuznetskogo instituta usovershenst-
vovaniya vrachey (dir. - dotsent G.L. Starkov).
(EOSINOPHILES) (HYPOPHYSECTOMY) (DEATH, APPARENT)

KOLPAKOV, M.G.; POTEKHIN, K.G.; FEDENKOV, V.I.

Mechanism of the eosinopenic reaction in terminal states. Biul.
eksp.biol.i med. 54 no.11:36-39 N '62. (MIRA 15:12)

1. Iz kursa patologicheskoy fizologii i laboratornoy diagnostiki
(zav. - dotsent M.G.Kolpakov) Novokuznetskogo instituta usover-
shenstvovaniya vrachey. Predstavlena akademikom V.N.Chernigovskim.
(EOSINOPE' ES) (DEATH, APPARENT)

FEDENKOV, V.I.

Effect of therapeutic radioactive factors at the Belokurikha Health
Resort on the thyrotropic activity of the blood serum in thyrotoxicosis.
Vop. kur., fizioter. i lech. fiz. kul't. 29 no.4:327-330 J1-Ag '64.
(MIRA 18:9)

1. Laboratoriya kurorta Belokurikha (nauchnyy rukovoditel' kurorta -
prof. G.M.Shershevskiy) i kurs patofiziologii i laboratornoy diagnostiki
(zav. - dotsent M.G.Kolpakov) Novokuznetskogo Instituta usovershenstvovani-
ya vrachev.

FEDENYUK, A. I.; DATSEVICH, M. A.

Agricultural Machinery

Using the simplest mechanism for stacking hay. M. A. Datsevich, A. I. Fedenyuk. Korm.
baza 3, No. 6, 1952.

Monthly List of Russian Accessions, Library of Congress, September 1952. UNCLASSIFIED.

FEDENYUK, V.G., kandidat tekhnicheskikh nauk; IVANOVA, M.T.

The use of a new kind of sizing in the clothing industry. Leg.prom.
15 no.2:20-22 F '55. (MLRA 8:4)
(Sizing (Textile))

FEDENYUK, V.G., kandidat tekhnicheskikh nauk

Utilizing spruce bark from floated timber to obtain tanning liquors.

Leg.prom.15 no.7:29-31 J1'55.

(MIRA 8:10)

(Tannins)

[G.]
FEDENYUK, V., kandidat tekhnicheskikh nauk.

Gluing clothing parts. Prem. koop.no.2:13-15 P '56. (MLRA 9:7)
(Clothing industry)

FEDENYUK, V.G., kandidat tekhnicheskikh nauk; SAVOSTITSKIY, A.V., retsentsent;
VORONIN, G.M., retsentsent; SEGAL', N.M., redaktor; DMITRIYEVA, N.I.,
tekhnicheskly redaktor

[Methods of gluing parts of sewn goods] Metody kleevogo soedineniya
detalei shveinykh izdelii. Moskva, Gos. nauchno-tekhn. izd-vo
Ministerstva legkoi promyshl. SSSR, 1956. 89 p. (MLBA 9:11)
(Glue) (Clothing industry)

FEDENYUK, V.G., kand. tekhn. nauk; BUNINA, Ye.D., inzh.; SANDLER, G.A., inzh.

~~Preparation of~~ Preparing polyvinyl-butyral glue film on calendars. Leg. prom. 18
no.2:19-20 F '58. (MIRA 11:2)

(Glue)

FEDENYUK, Vasilii Gavrilovich, kand.tekhn.nauk; SAVOSTITSKIY, A.V.,
retsensent; VORONIN, G.M., retsensent; GABOVA, D.M., red.;
KNAKNIN, M.T., tekhn.red.

[Methods for making glued seams in assembling clothing
sections] Metody kleevogo soedineniia detalei shveinykh
izdelii. Izd.2., perer. i dop. Moskva, Gos.nauchno-tekhn.
izd-vo lit-ry po legkoi promyshl., 1959. 146 p.

(MIRA 13:5)

(Clothing industry)

(Glue)

PANKOVA, L.N.; FEDENYUK, V.G.

Experience in pasting seams in the clothing industry. Shvein.
prom. no.6:30-31 N.D '59. (MIRA 13:4)

1. TSentral'nyy nauchno-issledovatel'skiy institut shveyroy
promyshlennosti.
(Adhesives) (Clothing industry)

TORGASHINA, M.G.; FEDENYUK, V.G. (Moskva)

Adhesive paper tape for labeling machines. Shvein.prom.

no.6:32 N-D '59.

(MIRA 13:4)

(Labeling machines)

(Clothing industry--Equipment and supplies)

FEDENYUK, V.G. (Moskva)

New adhesive materials. Shvein. prom. no.617-21 N-D '64
(MIRA 18s2)

KULIKOVA, I.A.; NAZAROVA, A.I.; SMIRNOV, V.I.; FEDENYUK, V.G. (Moskva)

Methods for joining polyvinyl chloride films. Shvein.prom. no.4:
10-13 JI-Ag '64. (MIRA 17:10)

FEDENYUK, V.G.; KUZNETSOVA, M.A.; RUMYANTSEVA, A.S. (Moskva)

Use of adhesive perchlorovinyl tape for sealing the edges of
artificial fur parts. Shvein. prom. no.3:20-23 My-Je '65.
(MIRA 18:9)

KOCANOVSKIJ [Kochanovskiy], kand.tehn. nauka; FEDER, inženjer;
KATLER, S.M., kand.tehn.nauka; KATALINIC-UDOVČIC, Palma, prof.
(Zagreb)

Welding with electric arc which is rotating in magnetic field.
Zavarivanje 4 no.7:138-142 8 '61.

1. Visoka tehnicka skola u Zagrebu, Zagreb (for Katalinic-
Udovcic).

FEDER, A.

"Surveying the Endurance of Poles." p. 45 (DROGOWNICTWO, Vol. 8, No. 2, Feb. 1953)
Warszawa, Poland

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2, No. 10
October 1953. Unclassified.

FEDER, A.

(DROGOWNICTWO, Vol. 6, No. 9, Sept. 1951, Warsaw, Poland)

"Repairing a two-span steel bridge." p. 273

SO: MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, L.C., Vol. 3, No. 4, APRIL 1954.

17

37

Dyeing and finishing of the red tanned pig skin prepared for export. A. B. Fedot. Tsentral. Nauch.-Issledovatel. Inst. Kozhvennoi Prom. Sbornik Rabot No. 3, 55-8 (1954) A. A. Borzhilovsk

ASB-514 METALLURGICAL LITERATURE CLASSIFICATION

62-11 ON ON 111

Ca

29

Controlling leather dressings. (A preliminary report.)
A. E. Feder and G. V. Kostenko. *Sbornik Obzora
Opyt. Kozhevennogo-Obratn. Prom.* 1939, No. 5.
No. 61. *Khim. Referat. Zhur.* 1940, No. 1, 134. — To det.
the covering power of leather dressing dil. with 2 parts of
water and add to a Petri dish placed on a black-and-white
background contg. 10 cc. of water until the difference be-
tween the black and white sections of the background dis-
appears. The no. of cc. of the dild. dressing used is the
inverse value of its covering power. The time required
for the detn. is 5-7 min. Optimum results are obtained
at 10-18°. A method is given for correcting the covering
power and η by varying the amts. of the ingredients.
W. R. Henn

ASD 514 METALLOGICAL LITERATURE CLASSIFICATION

29

CA

1ST AND 2ND ORDER

PROCESSES AND PROPERTIES

Rapid determination of Cr_2O_3 in chrome extracts and solutions. A. E. Feder and G. V. Kostenko. *Kashchennaya*. *Obshchaya Priroda*, S. S. R. 18, No. 11, 34 (1939). — Dil. 5 ml. of an ext. of analytical concn. (3 g./l. Cr_2O_3) with 5 ml. H_2O (instead of the usual 100–150 ml.). The oxidation and decompn. reaction after the addn. of 1.5 g. of Na_2O_2 to the dil. ext. is so vigorous that the contents of the flask are brought up to 60–70° and thus the heating to boiling is completed in not more than one min. The decompn. of the excess of the oxidizer and the removal of the excess O_2 take place simultaneously with the first stage of the process; thus prolonged heating for the decompn. of Na_2O_2 is unnecessary. The possibility that traces of H_2O_2 and Na_2O_2 are still present is eliminated by boiling for 3 min. in the presence of Ni salt. Cool the flask, add 20% H_2SO_4 soln. to dissolve the residue, add 5 ml. of a 10% I soln., let stand for 1–2 min., then titrate. A. A. Bochtling

COMMON ELEMENTS

OPEN

MATERIALS INDEX

ASB-55A METALLURGICAL LITERATURE CLASSIFICATION

FROM DIVISION

SECOND MAP ONLY ONE

COLLECTOR

FROM DIVISION

COLLECTOR

FEDER, A. YE.

23385 Vliyaniye Nekotorykh Protsessov I Mekhanicheskikh Operatsiy Na Prochnost'
Khromovoy Kozliny I Ovchiny. Legkaya Prom-st', 1949, No. 6, c. 14-15.

SO: LETOPIS NO. 31, 1949

FEDER, G.

FEDER, G. 2d Congress of Hungarian Chemists. p. 1.

Vol. 11, No. 1, Jan. 1956.

MAGYAR KEMIKUSOK LAPJA.

TECHNOLOGY

Budapest, Hungary

So: East European Accession, Vol. 5, No. 5, May 1956

FEDER, N. I.

Undulant fever Cheliabinsk, Cheliabinskoe obl. izd-vo, 1939. 108 p. (44-28140)

RC200.U5V9

FEDER, M. L. and ASIANOV, R. I.

"Critical Remarks in Regard to N.I.Ragoza's Paper on the Classification of Clinical Forms of Brucellosis," M.L.Feder and R.I.Aslanov, Zhur. Mikr, Epid, i Immun., No 4, pp 69-72, Apr 53

In regard to Ragoza's article in Klin Med (Vol 30, No 2, 1952, pp 5-19), the primary latent stage of brucellosis cannot be identified with the incubation period: the patients often recover before the disease assumes an acute form. People who exhibit positive ser-allergic reactions often do not have brucellosis; they may be immune due to prior contact with infected cattle. One cannot agree with Ragoza that the acute septic period often does not occur prior to chronic brucellosis. Ragoza's differentiation between the secondary latent form and the chronic form is not convincing. Ragoza is too pessimistic in assuming that recurrence of the disease is unavoidable after the secondary latent period. There is no reason to regard brucellosis as a chronic disease: when treatment with vaccine (which is not a specific remedy) has been applied early enough, brucellosis in 70% of the cases ends with the acute septic period. Clinical brucellosis of human occurs very rarely as a result of infection with Br. abortus bovis. 252T30

FEDER, M. L.

PILETSKAYA, Ye.M.; FEDER, M.L.

Clinico-epidemiologic aspects of caprine brucellosis in man.
Zhur.mikrobiol.epid.i immun. no.1:17-22 Ja '54. (MIRA 7:2)

1. Iz Stavropol'skoy krayevoy protivobrutselleznoy stantsii
(glavnyy vrach Ye.M.Piletskaya). (Brucellosis)

KARVETSKIY, A.V.; SIGEL', M.G.; KULICHKIN, A.V.; DEMIN, A.M.; RYZHOVA,
V.K.; FEDER, R.M.; MAKAROVA, T.L.; MEYER, R.A.; STEPANOVA, V.P.;
SKURATOV, A.D., red.; KHAUSTOVA, A.K., tekhn. red.

[Economy of Ul'ianovsk Province; statistical collection] Narodnoe
khoziaistvo Ul'ianovskoi oblasti; statisticheskii sbornik. Ul'ia-
novsk, 1961. 271 p. (MIRA 15:5)

1. Ulyanovsk (Province) Statisticheskoye upravleniye. 2. Nachal'nik
Statisticheskogo Upravleniya Ul'yanovskoy oblasti (for Skuratov).
(Ul'ianovsk Province--Statistics)

GURVICH, Sokrat Solomonovich; PETLENKO, Viktor Porfir'yevich;
TSAREGORODTSEV, Gennadiy Ivanovich; FEDERENKO, Ye.G.,
doktor fil. nauk, prof., red.; BYCHKO, I.V., kand. fil.
nauk, otv. red.; KRYMSKIY, S.B., kand. fil. nauk, otv.
red.

[Problems of dialectical materialism; for lectures on
philosophy for medical institutes] Voprosy dialekticheskogo
materializma; k lektsiiam po filosofii dlia meditsinskikh
institutov. Pod red. E.G.Fedorenko. Kiev, Gosmedizdat USSR
1964. 361 p. (MIRA 17:6)

FEDER, Ye. S.

VAYNBOYM, David Iosifovich; ~~FEDER~~, Ye. S., otvetstvennyy redaktor;
ALEKHNYEVA, M.N., redaktor; FRUMKIN, P.S., tekhnicheskii redaktor;
DLUGOKANSKAYA, Ye. A., tekhnicheskii redaktor:

[Automatic arc welding equipment] Dugovye svarochnye avtomaty.
Leningrad, Gos. nauchnoe izd-vo sudostroit. promyshl, 1956.
290 p. (MLRA 10:4)
(Electric welding)

18(5)

SOV/135-59-8-1/24

AUTHORS:

Kochanovskiy, N.Ya., Candidate of Technical Sciences,
Feder, Ye. S., Engineer, and Katler, S.M., Candidate of
Technical Sciences

TITLE:

Welding With Electric Arc Rotating in the Magnetic
Field

PERIODICAL:

Svarochnoye proizvodstvo, 1959, Nr 8, pp 1-4 (USSR)

ABSTRACT:

The fact that the electric arc rotates in a magnetic field has repeatedly been examined in regard to its utilization for practical purposes in several technical fields. It was found in these investigations that the electric arc is stable only if the spot on the cathode, which is the center of the rotation, remains immovable. The immovability of one of the active spots of the rotating arc limited its practical applicability for welding. In the Scientific Research Institute for Electric Welding Equipment welding devices were developed which had electric arcs with active anode and cathode spots rotating in the magnetic field. As investigations showed the electric arc, of which both

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Welding With Electric Arc Rotating in the Magnetic Field

active spots are rotating, can be produced either between the two parts that are to be welded or between the work piece and an auxiliary electrode. In the first case the two parts, for instance the two pipes 1 and 1' (Figure 1), and the field coils 2 and 2' are arranged coaxially. The coils cause magnetic currents which are inversed and therefore create a radial magnetic field in the gap between the pipes. The axes of the arc and consequently that of the arc current coincide in their direction with the axes of the pipes. The interaction of the axial current of the arc and the radial intensity of the magnetic field create a force which is applied to the arc. The force which is directed tangentially produces a rotating movement of the arc and evenly heats the rims of the pipes. Visually an uninterrupted ring of glowing plasma may be seen. When the welding temperature is reached, the pipes are pressed together. In the second case, the pipes, the copper ring, and the field coils are arranged coaxially. The ring is cooled with

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water which is following through the channel (4). The electric arc is produced between the inner surface of the ring (2) and the rims of the pipes. The arc current has radial direction and the magnetic field in the gap between the ring and the pipe's axial direction. From the interaction between the radial arc current and the axial field of given intensity a force results, which is called R_1 . Under the influence of this force the arc starts turning and the rims of the pipes are heated. The pipes are pressed together until the necessary temperature is reached. Thin-walled pipes may be welded without pressing. The following part of the article describes in detail: the use of the rotating arc if it burns between the two parts which are to be welded; the heating of the pipe rims; the heating of the rims to the welding temperature and the subsequent pressing; the heating of the front sides of round workpieces with compact section to the welding temperature; the use of a rotating arc burning between the workpiece and an auxiliary electrode.

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Welding With Electric Arc Rotating in Magnetic Field

The author comes to the following conclusions: A new method of welding with an electric arc was developed, in which the arc rotates in a magnetic field. This method is distinguished by a simultaneous movement of the anode and the cathode spots. The application of this method makes it unnecessary to use welding heads and burners which have to be moved along the seam, and this makes it much easier to automate the process, especially in places which are narrow and hard to reach. The rotating electric arc makes it possible to weld clumsy seams of pipes with big diameters and thick walls, of workpieces with compact section, of side connections, and of workpieces with other profiles, such as round sections. The welding method can be used for sheet iron, non-ferrous metals, and alloys, applying gas shielding where it is necessary. Welding with electric arc, which is rotating, makes it possible to use feeders of relatively low power. Further research in the new welding process should go in

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Welding With Electric Arc Rotating in the Magnetic Field SOV/135-59-8-1/24

the direction of utilizing the arc not only on the
periphery of the magnetic field but also inside.
There are 7 photographs, 2 tables, 2 diagrams and 5
references, 3 of which are Soviet and 2 English,

ASSOCIATION: VNIIESO

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D'YACHKOV, B.A., kand.tekhn.nauk; PECHENIN, A.A., inzh.; FEDER, Ye.S., inzh.;
GALOYAN, G.M., inzh.

New welding transformers for manual arc welding. Svar. proizv. no.5:
33-35 My '61. (MIRA 14'4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo
oborudovaniya (for D'yachkov, Pechenin, Feder). 2. Leninskanskiy
elektrotekhnicheskiy zavod (for Galoyan).
(Electric welding—Equipment and supplies)

SARAFANOV, S.G., kand. tekhn. nauk; TAZ'BA, S.M.; TERENT'YEV, Yu.Ya.;
FEDER, Ye.S.; ALEKSEYEV, A.A., prof., nauchnyy red.; PETRENKO,
N.P., red. izd-va; VORONETSKAYA, L.V., tekhn. red.

[Electric welding equipment and automation of welding operations in the construction industry]Elektrosvarochnoe oborudovanie i avtomatizatsiya svarochnykh rabot v stroitel'stve.
Pod red. S.G.Sarafanova. Leningrad, Gosstroizdat, 1962. 350 p.
(MIRA 16:1)

(Electric welding)
(Construction industry--Electric equipment)

FEDER, Ye.S.; LAPIDUS, Sh.I.

Improvement in the electric current supply for hand arc welding.
Avtom.svar. 18 no.1:6-11 Ja '65. (MIRA 18:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo
oborudovaniya.

PESENSON, A.Ye.; ~~FEDER, Ya.S.~~

Using computers for the design of welding transformers.
Avtom.svar. 18 no.11:38-39 N '65.

(MIRA 18:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut
elektrosvarochnogo oborudovaniya. Submitted January 26,
1965.

ACC NR: AP6015642

(N)

SOURCE CODE: UR/0413/66/000/009/0053/0053

INVENTORS: Feder, Ye. S.; Zaks, M. I.; Lapidus, Sh. I.

ORG: none

TITLE: A universal welding rectifier. Class 21, No. 181212 [announced by All-Union Scientific Research Institute of Electric Welding Equipment (Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo oborudovaniya)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 53

TOPIC TAGS: welding equipment component, semiconductor rectifier, volt ampere characteristic

ABSTRACT: This Author Certificate presents a universal welding rectifier. The rectifier includes a power transformer, a regulation unit, and a saturation choke coil with control windings. The operating windings of the choke coil are joined in parallel and are connected in series with the rectifiers of the semiconductor power rectifier. The design simplifies the production of steep-dipping and flat-dipping external volt-ampere characteristics. One of the control windings of the saturation choke coil is connected to an unregulated voltage and serves as the bias winding in association with the flat-dipping external characteristics and as the preliminary magnetization winding in association with the steep-dipping characteristics. The

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UDC: 621.791.037-523

ACC NR: AP6015642

other control winding is connected to a regulated voltage, and provides the control in association with the flat-dipping external characteristics. The other control winding in association with the steep-dipping characteristics serves for producing the welding current feedback.

SUB CODE: 09 13/ SUBM DATE: 12Apr65

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FEDER, Ye.Ye.; ABRAMOV, M.L.

Treatment of inflammatory diseases of the maxillary sinuses by means of chen-chiu therapy. Zdrav.Bel. 8 no.12:62 D '62.

(MIRA 16:1)

1. Iz 1-y gorodskoy bol'nitsy g. Gomelya (glavnyy vrach A.S. Simonenko).

(MAXILLARY SINUS—DISEASES)
(ACUPUNCTURE)

NOTAYURAS, L.I. [Motejuras, L.]; FEDERENE, M.P. [Fedarlano, M.]

Potential danger of parenteral transmission of epidemic hepatitis as the result of vaccination. Zaur. mikrobiol., epid. i imm. 42 no.11:105-108 N '68. (MIRA 18:12)

1. Institut epidemiologii, mikrobiologii i gigieny Ministerstva zdoravookhraneniya Litovskoy SSR.

~~FEDERMESSER~~, K.M. (Kytmanovo, Altayskiy kray)

Setting finger dislocations. Fel'd. i akush.no.1:20-22 Ja '56

(MLRA 9:4)

(DISLOCATIONS) (FINGERS--DISEASES)

YEFUNI, S.N.; FEDERMESSEK, K.M.; OKOROKOVA, K.V.

Giant pseudomyxoma in the abdominal cavity. Khirurgiya 32 no.6:
75-76 Je '56. (MLRA 9:10)

1. Iz khirurgicheskogo otdeleniya Kytmanovskoy rayonnoy bol'nitsy
Altayskogo kraya.

(ABDOMEN, dis.

pseudomyxoma peritoneae, giant, surg.)

YEDERMESSE, K.M.: YEFUNI, S.N.

Operative treatment of dislocation of the first finger. Nov.khir.
arkh. no.2:76 Mr-Ap '57. (MIRA 10:8)

1. Kytmanovskaya rayonnaya bol'nitsa Altayskogo kraya
(FINGERS--SURGERY)

FEDERMESSEK, K.M.

YEFUNI, S.N.; FEDERMESSEK, K.M.

Case of simultaneous tubal and uterine pregnancy. Akush.
1 gin. 33 no.1:100-101 Ja-F '57 (MLRA 10:4)

1. Iz Kytmanevskoy rayonnoy bol'nitsy Altayskogo kraya
(glavnyy vrach S.N. Yefuni)
(PREGNANCY, EXTRAUTERINE)

RUMYANTSEV, N.N.; FEDERMESSER, K.M.

Giant urethral calculus. Urologiia 24 no.3:64-65 My-Je '59.
(MIRA 12:12)

1. Iz Kytmanovskoy rayonnoy bol'nitsy Altayskogo kraya (glavnyy vrach
M.M. Bocharova).

(URETHRA, calculi,
giant (Rus))

FEDERMESSER, K.M.

Embolism of the iliofemoral artery without gangrene of the
extremities. Khirurgiia 35 no.9:1112-1114 '59. (MIRA 13:12)
(ILIAC ARTERY—DISEASES) (FEMORAL ARTERY—DISEASES)
(EMBOLISM)

SADYKOV, N.M.; FEDERMESSEK, K.M.

Intubation anesthesia in operative urology. Urologia 25 no. 5:20-
25 8-0 '60. (MIRA 14:1)
(INTRATRACHEAL ANESTHESIA) (URINARY ORGANS—SURGERY)

FEDERMESSEK, K.M.

Comparative evaluation of apparatus for labor anesthesia produced by the All-Union Scientific Research Institute of Medical Instruments and Equipment and by the "Krasnogvardeets" plant. Nov.med.tekh. no.4:30-37'61. (MIRA 16:9)

1. Tsentral'nyy institut usovershenstvovaniya vrachey.
(ANESTHESIA IN OBSTETRICS)
(MEDICAL INSTRUMENTS AND APPARATUS)

BLOSHANSKIY, Yu.M.; LYAPON, O.A.; FEDERMESSER, K.M.; KHVALIBOV, Ya.V.

Analgesic anesthesia with nitrous oxide in minor gynecological operations. Sov.med. 26 no.1:116-120 Ja '63. (MIRA 16:4)

1. Iz 52-y gorodskoy bol'nitsy (glavnyy vrach P.Ye.Petrushko)
i rodil'nogo doma No. 26 (glavnyy vrach - kand.med. nauk
Yu.M.Bloshanskiy), Moskva.
(GYNECOLOGY) (NITROUS OXIDE)

FEDERMESSER, K.M.; SHEKHTMAN, M.M.

Adrenal gland insufficiency following cesarean section. Akush.
i gin. 39 no.5:152-153 8-0 '63. (MIRA 17:8)

1. Iz Instituta akusherstva i ginekologii (dir. - prof. O.V.
Makeyeva) Ministerstva zdavookhraneniya SSSR.

SHEKTMAN, M.M.; FEDERMESSER, K.M.

Inferior vena cava syndrome in pregnancy. Akush. i gin. 40 no.4:
142-143 JI-Ag '64. (MIRA 18:4)

1. Institut akusherstva i ginekologii (dir. - prof. O.V.Makeyeva)
Ministerstva zdravookhraneniya SSSR, Moskva.

YEFUNI, S.N.; FEDERMESSER, K.M.; SMERTENKO, I.I.

Study of the peripheral blood and the karyotype under experimental prolonged anesthesia with nitrous oxide. Eksp. khir. i anest. 9 no.3:72-75 My-Je '64. (MIRA 18:3)

1. Institut klinicheskoy i eksperimental'noy khirurgii (dir. - deystvitel'nyy chlen AMN SSSR prof. B.V. Petrovskiy) Ministerstva zdravookhraneniya RSFSR.

FEDERMINER, Konstantin Matveyevich; OSTROVSKAYA, L.S., red.

[Nitrous oxide analgesia in obstetric and gynecologic practice] Anal'geziia zakis'iu azota v akushersko-ginekologicheskoi praktike. Moskva, Meditsina, 1964. 134 p.
(MIRA 17:7)

FEDERMESSER, K.M., kand. med. nauk; LEPARSKIY, Ye.A.

Intubation anesthesia in cesarean section in women with severe cardiovascular pathology. Akush. i gin. 40 no.5:17-22 S-O '64. (MIRA 18:5)

1. Nauchno-issledovatel'skiy institut akusherstva i ginekologii (dir. - prof. O.V.Makoyeva) Ministerstva zdravookhraneniya SSSR i Institut pediatrii (dir. - dotsent M.Ya. Studenikin) AMN SSSR, Moskva.

FEDERMESSER, K.M.; LEPARSKIY, Ye.A.

Anesthesia in cesarean section; a review. Sov. med. 28
no.10:108-114 O '65. (MIRA 18:11)

1. Institut akusherstva i ginekologii (dir.- prof. O.V. Makeyeva)
Ministerstva zdravookhraneniya SSSR i otdeleniye nedonoshennykh i
patologii novorozhdennykh detey (zav.- kand. med. nauk Ye. Ch.
Novikova) Institut pediatrii (dir.- dotsent M.Ya. Studenikin)
AMN SSSR, Moskva.

ACC NR: AP7005693

SOURCE CODE: UR/0413/01/000/002/0100/0101

INVENTOR: Kolchin, A. V.; Federmeier, D. D.

ORG: None

TITLE. A continuous electric vacuum furnace for carburizing and sintering hard ceramals and other types of alloys. Class 21, No. 85260

SOURCE: Izobreteniya, promyshlennyye obratzay, tovarnyye znaki, no. 2, 1967, 180-181

TOPIC TAGS: vacuum furnace, metallurgic furnace, heat treating furnace, cermet product

ABSTRACT: This Author's Certificate introduces: 1. A continuous electric vacuum furnace for carburizing and sintering ceramals and other alloys. The installation is designed for continuous operation without breaking the vacuum in the furnace. Closing devices are used which are made in the form of stopcocks in which the hole through the plug is blocked on one side. Articles to be loaded into or removed from the furnace are placed in this hole and the plug is then rotated until the hole through it communicates either with the working chamber of the furnace or with the outside atmosphere. 2. A modification of this furnace in which the closing device used for loading is equipped with a push rod located in the hole passing through the plug of the stopcock and activated by an electric motor located in the same plug. 3. A modification of this furnace in which the closing device used for unloading is fastened to a sloping fitting so that components to be removed enter the hole through the stopcock plug under their own weight.

SUB CODE: 13// SUBM DATE: 21Dec48

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considerably.

I. 7027-66 EMT(1)/T/FED(h)-3 LIP(c)

ACC NR: AP5026831.

SOURCE CODE: UR/0286/65/000/017/0117/0117

AUTHOR: Frolova, V. S.; Yurovskiy, Kh. G.; Belonogov, B. I.; Fedichkina, A. A.;
Dymov, A. F.

ORG: none

TITLE: A copying device for transferring a graphic image by photographic contact printing. Class 57, No. 174522 [announced by Organization of the Ministry of the Aviation Industry SSSR (Organizatsiya ministerstva aviatsionnoy promyshlennosti SSSR)]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 117

TOPIC TAGS: photographic printing, printing machinery

ABSTRACT: This Author's Certificate introduces a copying device for transferring a graphic image by photographic contact printing. The installation contains an illuminator, a rotating table, and a clamping mechanism with vacuum contact between the original and the light-sensitive material. For airtight sealing during printing on large metal plates, the clamping mechanism is equipped with a cover made of an elastic film, e. g. polyethylene. This film covers the surface of the rotating table and is clamped around the edge of the table by an air-filled hose. This cover is wound on drums at the edge of the table.

UDC: 771.318.1

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L 7027-66

ACC NR: AP5026831

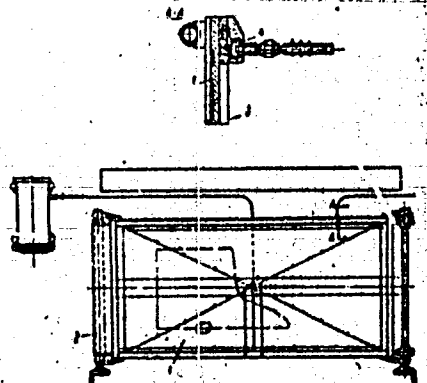


Fig. 1. 1--rotating table; 2--drums;
3--cover; 4--hose

SUB CODE: IE/

SUBM DATE: 23Mar64/

ORIG REF: 000/

OTH REF: 000

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Card 2/2

U
ALEKSEYEV, F.K.; ANDRIYUTS, G.L.; ARSENT'YEV, A.I.; ASTAF'YEV, Yu.P.;
BEVZ, N.D.; BEREZOVSKIY, A.I.; GENERALOV, G.S.;
DOROSHENKO, V.I.; YESHCHENKO, A.A.; ZAPARA, S.A.; KALINICHENKO, V.F.;
KARNAUSHENKO, I.K.; KIKOVKA, Ye.I.; KOBOZEV, V.N.; KUPIN, V.Ye.;
LOTOUS, V.K.; LYAKHOV, N.I.; MALYUTA, D.I.; METS, Yu.S.; OVODENKO,
B.K.; OKSANICH, I.F.; PANOV, V.A.; POVZNER, Z.B.; PODORVANOV, A.Z.;
POLISHCHUK, A.K.; POLYAKOV, V.G.; POTAPOV, A.I.; SAVITSKIY, I.I.;
SERBIN, V.I.; SERGEYEV, N.N.; SOVETOV, G.A.; STATKEVICH, A.A.;
TERESHCHENKO, A.A.; TITOV, D.S.; FEDIN, A.F.; KHOMYAKOV, N.P.;
SHEYKO, V.G.; SHEKUN, O.G.; SESTAKOV, M.M.; SHTAN'KO, V.I.

Practice of construction and exploitation of open pits of Krivoy
Rog Basin mining and ore dressing combines. Gor. zhur. no.6:
8-56 Je '63. (MIRA 16:7)

(Krivoy Rog Basin--Strip mining)